

**Wst 3    Composting****1 of 1 credits achieved****Credit criteria**

Credits are awarded where home composting facilities are provided in houses with gardens or Local Authority kitchen waste collection/communal/community composting service in other dwelling types. The composting facilities should be suitable for normal domestic, green/garden, food and other compostable household waste, as outlined below. All facilities should be accompanied by information explaining how they work.

**Credit validation**

There is a Local Authority Collection Scheme with Green Waste Collection Service.

**Credit references**

Assumption based on information obtained from Camden Council Website.

**Further information/action**

	Credits
<ul style="list-style-type: none"> <li>• Individual home composting facilities.</li> </ul> OR <ul style="list-style-type: none"> <li>• A local communal or community composting service, which the Local Authority runs or where there is a management plan in place.</li> </ul> OR <ul style="list-style-type: none"> <li>• A Local Authority green/kitchen waste collection system (this can include an automated waste collection system).</li> </ul> All facilities must also: <ul style="list-style-type: none"> <li>• be in a dedicated position</li> <li>• be accessible to disabled people (Checklist 1)</li> <li>• have an information leaflet that is delivered to each dwelling</li> </ul>	1

## Pollution

The following table summarises the credits awarded for this section.

The Code Credit Reference	Number of Credits Achieved	Number of Credits Available
Pol 1 - Global Warming Potential (GWP) of insulants	1	1
Pol 2 - Nox Emissions	2	3
<b>TOTAL CREDITS</b>	<b>3</b>	<b>4</b>

**Pol 1      Global Warming Potential (GWP) of  
insultants**

**1 of 1 credits achieved**

**Credit criteria**

Credit is awarded according to the global warming potential (GWP) of insultants.

**Credit validation**

It was considered that natural insulating materials will be specified to comply with the requirements for this credit.

**Credit references**

Assumption by Lugus Engineering.

**Further information/action**

Credit is awarded as follow:

	Credits
<p>Credits are awarded where all insulating materials in the elements of the dwelling listed below only use substances that have a GWP &lt; 5 (manufacture AND installation):</p> <ul style="list-style-type: none"> <li>• Roofs: including loft access</li> <li>• Walls: internal and external including lintels and all acoustic insulation</li> <li>• Floors: including ground and upper floors</li> <li>• Hot water cylinder: pipe insulation and other thermal stores</li> <li>• Cold water storage tanks: where provided</li> <li>• External doors</li> </ul>	<p><b>1</b></p>

**Pol 2 NO<sub>x</sub> emissions****2 of 3 credits achieved****Credit criteria**

Credits are awarded on the basis of NOX emissions arising from the operation of space heating and hot water systems for each dwelling, in accordance with the table below:

**Credit validation**

Space heating system to be specified will not have NOx emissions higher than 70mg/kWh.

**Credit references**

Assumption by Lugus Engineering.

**Further information/action**

Dry NOX level (mg/kWh)	Boiler class (BS EN 297: 1994)	Credits
≤100	4	1
≤70	5	2
≤40	-	3
<b>Default Cases</b> Where all space heating and hot water energy requirements are fully met by systems which do not produce NOX emissions.		3

## Health and Wellbeing

The following table summarises the credits awarded for this section.

BREEAM Credit Reference	Number of Credits Achieved	Number of Credits Available
Hea 1 - Daylighting	2	3
Hea 2 - Sound Insulation	3	4
Hea 3 - Private Space	1	1
Hea 4 - Lifetime Homes	0	4
<b>TOTAL CREDITS</b>	<b>6</b>	<b>12</b>

**Hea 1 Daylighting****2 of 3 credits achieved****Credit criteria**

Credits are awarded for the dwellings which have good daylighting according to the table below.

**Credit validation**

Daylight factor satisfactory

**Credit references**

Assumption based on drawings provided by Ramsden and Partners.

**Further Information/action**

Credits are awarded as follow:

	Credits
Kitchens must achieve a minimum average daylight factor of at least 2%	1
All living rooms, dining rooms and studies (including any room designated as a home office under Ene 9 – Home Office) must achieve a minimum average daylight factor of at least 1.5%.	1
80% of the working plane in each kitchen, living room, dining room and study (including any room designated as a home office under Ene 9 – Home Office) must receive direct light from the sky.	1

**Hea 2 Sound Insulation****3 of 4 credits achieved****Credit criteria**

Credits are awarded for achieving higher standards of sound insulation than those given in Approved Document E of the Building Regulations and demonstrating it by either using pre-completion testing or Robust Details.

**Credit validation**

Acoustic calculations will be performed demonstrating that the noise level requirements will be achieved.

**Credit references**

Confirmation given by Ramsden and Partners.

**Further information/action**

Credits are awarded as follow:

	Credits
<b>Where:</b> <ul style="list-style-type: none"> <li>• airborne sound insulation values are at least 3dB higher</li> <li>• impact sound insulation values are at least 3dB lower</li> </ul>	1
<b>OR</b> <ul style="list-style-type: none"> <li>• airborne sound insulation values are at least 5dB higher</li> <li>• impact sound insulation values are at least 5dB lower</li> </ul>	3
<b>OR</b> <ul style="list-style-type: none"> <li>• airborne sound insulation values are at least 8dB higher</li> <li>• impact sound insulation values are at least 8dB lower</li> </ul> <p>than the performance standards set out in the Building Regulations for England and Wales, Approved Document E (2003 Edition, with amendments 2004)</p> <p>This can be demonstrated through EITHER</p> <p>A programme of pre-completion testing based on the Normal programme of testing described in Approved Document E for every group or sub-group of houses or flats that demonstrates that the performance standard or standards above are achieved.</p> <p><b>OR</b></p> <p>use of constructions for all relevant building elements that have been assessed and approved by Robust Details Limited (RDL), and found to achieve the performance standards stated above and to register all relevant dwellings with RDL.</p>	4
<b>Default cases</b>	
Detached dwellings	4
Attached dwellings where separating walls or floors only occur between non habitable rooms.	3

**Robust Details:**

Robust Details (RDs) are construction solutions that provide an alternative to pre-completion sound insulation testing as a method of complying with Requirement E1 of Approved Document E (2003 Edition) of the Building Regulations (England and Wales). Robust Details must be approved by Robust Details Ltd (RDL) and all development sites must be registered with RDL and built in accordance with the RD specification. To give a reasonable level of assurance that these details will achieve the required minimum standards, RDL carry out random inspections during construction and random sound insulation tests after construction. A Robust Detail is deemed to be approved for Code credits only when it achieves a specified performance level when assessed by RDL according to the following criteria:

1. Mature robust detail (published for over 12 months and at least 100 test results) – regular assessment based on the 90<sup>th</sup> percentile of results from the last 100 site tests.
2. Low use robust detail (published for over 12 months but fewer than 100 test results) – initial assessment based on the first 30 tests needed to qualify for the robust details scheme and the site tests available, and reviewed regularly as new test results become available, until it becomes a mature robust detail or is rejected.
3. New robust detail (published for less than 12 months and fewer than 100 test results) – initial assessment based on the first 30 tests needed to qualify for the robust details scheme, and reviewed regularly as new test results become available, until it becomes a mature robust detail or is rejected. It should be noted that not all RDs will necessarily achieve the performance levels required for Code credits. If in doubt check the list of currently approved details with RDL directly (0870 240 8210; [www.robustdetails.com](http://www.robustdetails.com)).

**Hea 3 Private Space****1 of 1 credits achieved****Credit criteria**

Where outdoor space (private or semi-private) has been provided.

**Credit validation**

The project includes an open-air private garden on the basement.

**Credit references**

Assumption based on drawings provided by Ramsden and Partners.

**Further information/action**

Credits	
The outdoor space (private or semi-private) is:	1
<ul style="list-style-type: none"> <li>• of a minimum size that allows all occupants to sit outside</li> <li>• allows easy access to all occupants, including wheelchair users</li> <li>• accessible only to occupants of designated dwellings</li> </ul>	

**Hea 4 Lifetime Homes****0 of 4 credits achieved****Credit criteria**

Where all principles of Lifetime Homes, applicable to the dwelling being assessed, have been complied with. For a Level 6 assessment achievement of the Lifetimes Homes criteria is a mandatory requirement.

**Credit validation**

Project does not comply with all the principles of Lifetime Homes. (i.e. living room is not situated at entrance level)

**Credit references**

Assumption based on drawings provided by Ramsden and Partners.

**Further information/action**

The Lifetime Homes checklist should be used (by the developer/designer) to check whether the Assessment Criteria have been met. Additional useful guidance can be found on [www.lifetimehomes.org.uk/codeassessors](http://www.lifetimehomes.org.uk/codeassessors).

## Management

The following table summarises the credits awarded for this section.

BREEAM Credit Reference	Number of Credits Achieved	Number of Credits Available
Man 1 - Home User Guide	3	3
Man 2 - Considerate Constructors Scheme	1	2
Man 3 - Construction Site Impacts	1	2
Man 4 - Security	2	2
<b>TOTAL CREDITS</b>	<b>7</b>	<b>9</b>

**Man 1 Home user guide****3 of 3 credits achieved****Credit criteria**

for the provision of a simple user guide which covers information relevant to the 'non-technical' tenant/owner on the operation and environmental performance of their home.

**Credit validation**

Home user guide will be provided.

**Credit references**

Confirmation given by Ramsden and Partners.

**Further information/action**

Credits are awarded as follow:

	Credits
A Home User Guide compiled using Checklist Man 1 Part 1 (Operational Issues) together with information that the guide is available in alternative accessible formats.	2
Where the guide also covers information relating to the site and its surroundings, compiled using Checklist Man 1 Part 2 (Site and Surroundings).	1